INSTRUMENTATION/DRIVER INFO

IDI

1. General Description
2. Relay and Fuse
3. Combination Meter System
4. Combination Meter
5. Warning Box
6. Switches and Harness

INSTRUMENTATION/DRIVER INFO > General Description

CAUTION

- When performing service operation, refer to “Repair Contents” in “General Description”. Ref. to REPAIR CONTENTS>Repair Contents.
- When performing work on the sensors or modules, be careful of the following.
  - Before disconnecting electrical connectors, be sure to disconnect the ground terminal from the battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
  - Do not apply any impact. If the parts are accidentally dropped, replace with a new part.
  - Do not expose to high-temperature and humidity.
- When replacing the parts provided with memory functions, record the memory contents before disconnecting the ground terminal from the battery sensor.
- Refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM” section. Ref. to AIRBAG SYSTEM>General Description>CAUTION.
- Use gloves to avoid damage to and get fingerprints on the glass surface. Wipe off using a soft cloth, if the part is contaminated.

INSTRUMENTATION/DRIVER INFO > General Description

SPECIFICATION

1. METER

Item	Operation method	Drive control
Speedometer	TFT display method	Combination meter
Tachometer		
Engine coolant temperature gauge	LCD display method	
Fuel gauge		
Ambient air temperature		
Clock		

2. INDICATOR

Note:
Specifications of the indicator vary depending on the grade.

Item	Drive control
ODO indicator	
Trip indicator	
Select lever / shift position indicator	
Information (intervention) display	
Warning and indicator display • ABS warning light • Tire pressure warning light • STEERING warning light	

• VSC (VDC) warning light / VSC (VDC) operation indicator light • VSC (VDC) OFF indicator light • Parking brake/brake fluid level warning light • Lighting indicator light • LED headlight warning light • Turn signal indicator light • SRH warning light • SRH OFF indicator light • Auto leveler warning light • High beam indicator light • High beam assist indicator light • Driver’s seat belt warning light • Airbag warning light • Fuel level warning light • Malfunction indicator light • Oil pressure warning light • AT oil temperature warning light • Engine coolant temperature warning light • Engine coolant temperature indicator light • Charge warning light • Brake vacuum pressure warning light • BSD/RCTA warning light • BSD/RCTA OFF indicator light • RAB warning light • RAB OFF indicator light • Door ajar warning light • Low ambient temperature indicator light • Hill start assist operation indicator light • Master warning light • TRC OFF indicator light • Snow mode indicator light • SPORT mode indicator light • TRACK indicator light	Combination meter
EyeSight system indicator • Adaptive cruise • Constant speed cruise • READY • Preceding vehicle • Following distance setting • Set speed • EyeSight warning • EyeSight temporary stop • Pre-collision brake OFF indicator light	

• Lane departure warning OFF indicator light	
Cruise control system indicator • Constant speed cruise • Constant speed cruise warning light • Set speed	
Security indicator light	Body integrated unit

3. WARNING BOX

Display	Display method
Passenger's seat belt warning light	LED
Rear seat belt warning light	
Passenger's airbag ON indicator light	
Passenger's airbag OFF indicator light	

INSTRUMENTATION/DRIVER INFO > General Description

LOCATION

For location, refer to "Electrical Component Location" for "COMBINATION METER (DIAGNOSTICS)" section.
Ref. to COMBINATION METER (DIAGNOSTICS)>Electrical Component Location.

INSTRUMENTATION/DRIVER INFO > General Description

PREPARATION TOOL

1. SUBARU SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 STSSM4	—	SUBARU SELECT MONITOR 4	Used for setting of each function and troubleshooting for electrical system. **Note:** • **For detailed operation procedures, refer to "Help" of application.** • **Used together with interface for Subaru Select Monitor (such as DST-i and DST-010).**

2. OTHER

	Remarks
Circuit tester	Used for measuring resistance, voltage and current.

LOCATION

For the location, refer to “FUSE AND RELAY” in the wiring diagram. Ref. to WIRING SYSTEM>Fuse And Relay.

Note:
For details of relay and fuse, refer to “DC POWER SUPPLY CIRCUIT”. Ref. to WIRING SYSTEM>Power Supply Circuit.

INSTRUMENTATION/DRIVER INFO > Relay and Fuse

INSPECTION

1. CHECK FUSE

1. Remove the fuse and inspect visually.
2. If the fuse is blown out, replace the fuse.

Note:
If the fuse is blown again, check the system wiring harness.

INSTRUMENTATION/DRIVER INFO > Combination Meter System

WIRING DIAGRAM

Refer to "Combination Meter System" in the wiring diagram. Ref. to WIRING SYSTEM>Combination Meter System>WIRING DIAGRAM.

INSTRUMENTATION/DRIVER INFO > Combination Meter System

INSPECTION

1. BASIC INSPECTION

For basic inspection, refer to "Basic Diagnostic Procedure" of "COMBINATION METER (DIAGNOSTICS)" section. Ref. to COMBINATION METER (DIAGNOSTICS)>Basic Diagnostic Procedure.

2. SYSTEM BLOCK DIAGRAM

For system block diagram, refer to "System Block Diagram" in "COMBINATION METER (DIAGNOSTICS)" section. Ref. to COMBINATION METER (DIAGNOSTICS)>General Description>SYSTEM BLOCK DIAGRAM.

3. MODULE I/O SIGNAL

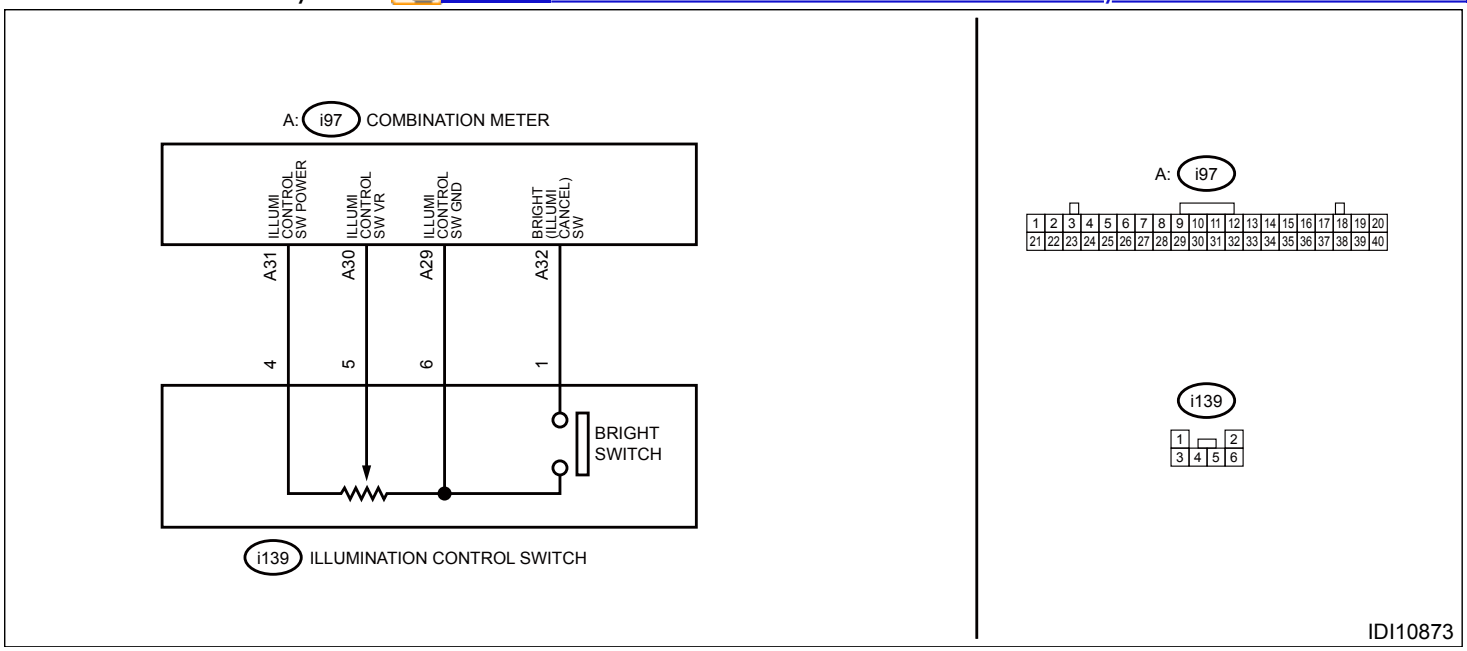
For the specification (electrical component), refer to "Control Module I/O Signal" of "COMBINATION METER (DIAGNOSTICS)" section. Ref. to COMBINATION METER (DIAGNOSTICS)>Control Module I/O Signal.

4. TROUBLE SYMPTOM

Illumination intensity does not change even when the illumination control switch is operated.

Wiring diagram:

Combination meter system Ref. to WIRING SYSTEM>Combination Meter System>WIRING DIAGRAM.



1. CHECK DATA MONITOR.

1. Turn the ignition switch to ON.
2. Using the Subaru Select Monitor, display the following items in the [Data monitor] of [Combination Meter]. Ref. to COMMON (DIAGNOSTICS)>Data Monitor.
   - [Bright switch input state]
   - [Illumination control switch input state]

Do the display change as [OFF] ←→ [ON] and the value range from 0 to 100 when the bright switch and illumination control switch are operated?

Yes — Replace the combination meter assembly. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter.

No — Go to 2.

2. CHECK ILLUMINATION CONTROL SWITCH UNIT.

1. Turn the ignition switch to OFF.
2. Check the illumination control switch. Ref. to INSTRUMENTATION/DRIVER INFO>Switches and Harness>INSPECTION > ILLUMINATION CONTROL SWITCH.

Is the switch normal?

Yes — Go to 3.

No — Replace the illumination control switch. Ref. to INSTRUMENTATION/DRIVER INFO>Switches and Harness.

3. CHECK HARNESS.

1. Disconnect the connectors of combination meter assembly and illumination control switch.
2. Measure the resistance between the combination meter assembly and the illumination control switch.

Connector & terminal

(i97) No. 29 — (i139) No. 6:
(i97) No. 30 — (i139) No. 5:
(i97) No. 31 — (i139) No. 4:
(i97) No. 32 — (i139) No. 1:

Is the resistance less than 1 Ω?

Yes	Replace the combination meter assembly. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter.
No	Repair or replace the defective part.

INSTRUMENTATION/DRIVER INFO > Combination Meter System

NOTE

For procedure of components in the combination meter system, refer to the sections below.

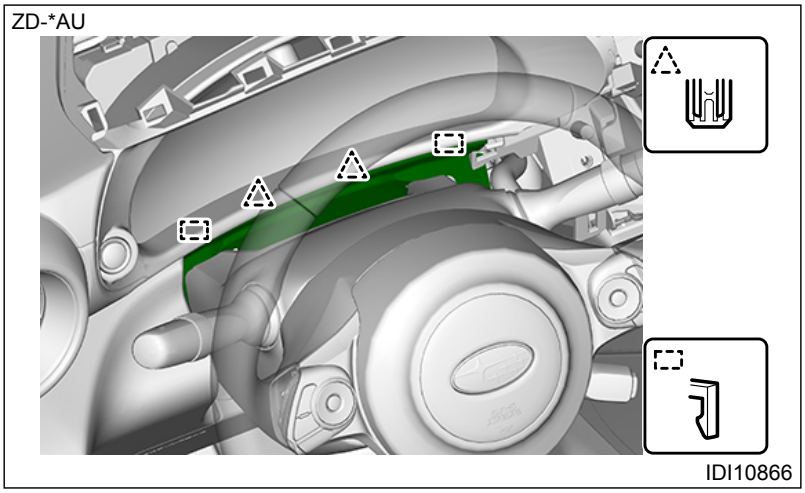
- Combination meter assembly: Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter.
- Switches and harness: Ref. to INSTRUMENTATION/DRIVER INFO>Switches and Harness.

REMOVAL

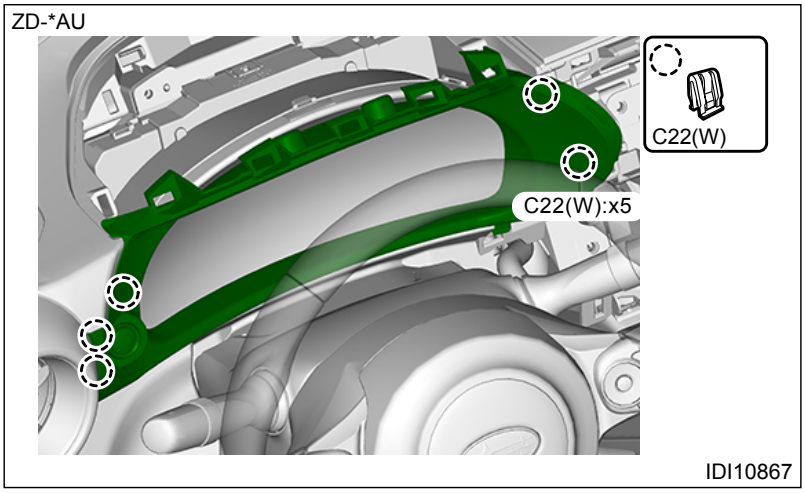
Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

1. When the combination meter assembly is replaced with a new part, perform the variant work. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter>REPLACEMENT > VARIANT WORK.
2. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
3. Release the lock, tilt the steering column to the lowest end and fully extend the column by the telescopic system.
4. Remove the cover LWR driver INN and cover LWR driver OUT. Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL.
5. Remove the cover assembly instrument panel side RH and the panel center UPR assembly. Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > CENTER GRILLE.
6. Remove the grille ventilation side LH. Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > SIDE GRILLE.
7. Remove the visor assembly LWR.
   (1) Release the claws of the column cover UPR.



   (2) Release the clips and pull out the visor assembly LWR.

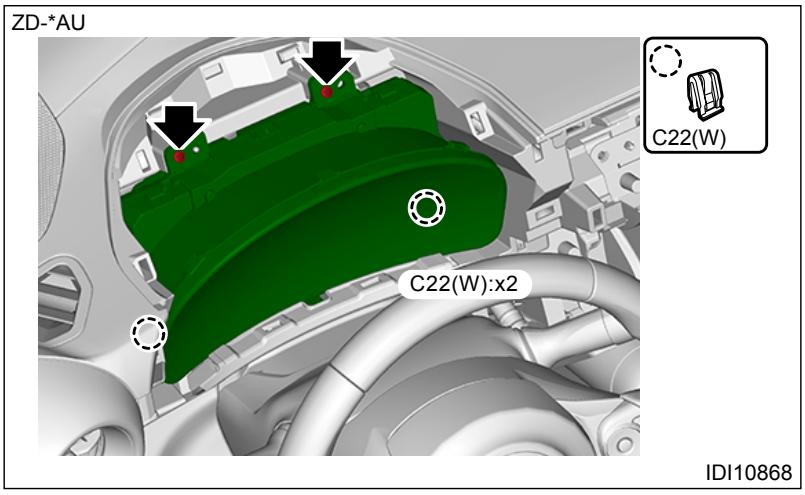


(3) Disconnect the connector, and remove the visor assembly LWR.

8. Remove the combination meter assembly.

Caution:
Be careful not to damage the meter glass or instrument panel.

(1) Release the screws and clips and pull out the combination meter assembly.



(2) Disconnect the connector and remove the combination meter assembly.

INSTRUMENTATION/DRIVER INFO > Combination Meter

INSTALLATION

Caution:
Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

1. Connect the connector and install the combination meter assembly.

2. Connect the connector, and install the visor assembly LWR.

Caution:
Be careful not to catch the harness of the switch assembly meter in between the parts.

3. Install the grille ventilation side LH. Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > SIDE GRILLE.

4. Install the panel center UPR assembly and cover assembly instrument panel side RH. Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > CENTER GRILLE.
5. Install the cover LWR driver OUT and cover LWR driver INN. Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION.
6. Connect the ground terminal to battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
7. When the combination meter assembly was replaced with a new part, perform the variant work. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter>REPLACEMENT > VARIANT WORK.

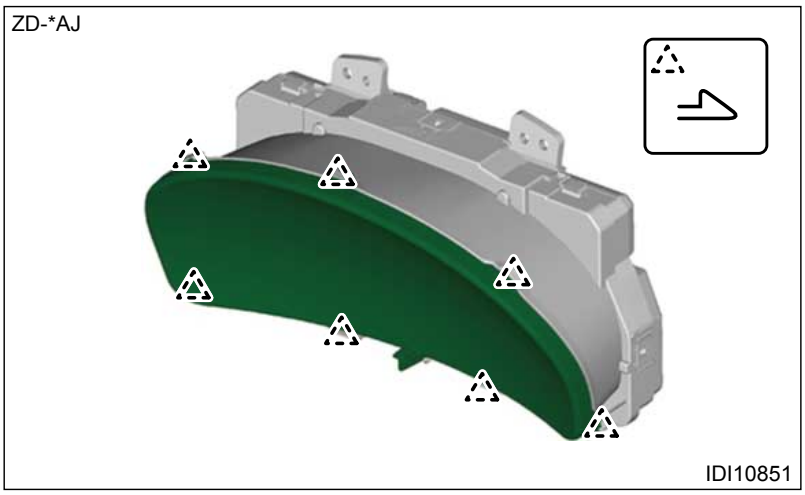
INSTRUMENTATION/DRIVER INFO > Combination Meter

DISASSEMBLY

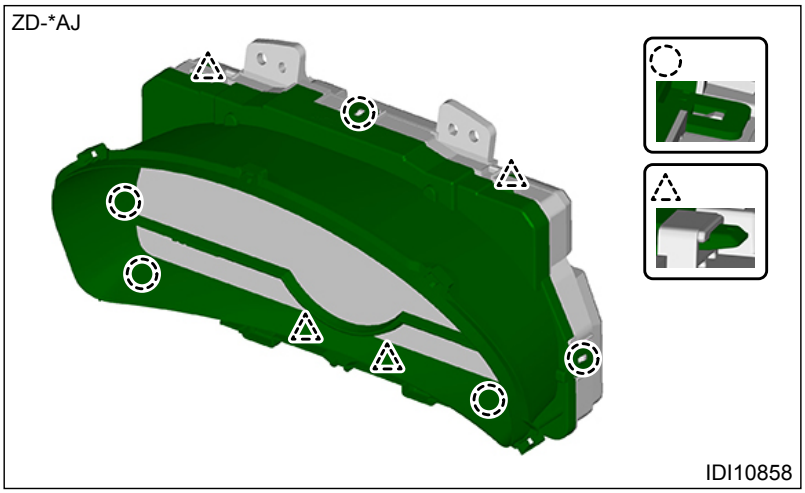
Caution:

- **Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.**
- **Be sure not to touch the meter LCD.**
- **Because LED components are used for all of warning lights and indicator lights, they are not removable from the combination meter assembly.**

1. Release the claws, and then remove the glass combination meter.



2. Release the claws, and then remove the visor combination meter.



ASSEMBLY

Caution:

- **Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.**
- **Be sure not to touch the meter LCD.**

1. Install the visor combination meter.
2. Install the glass combination meter.

REPLACEMENT

1. VARIANT WORK

Perform when replacing with a new combination meter assembly.

- When the combination meter before replacement can communicate with Subaru Select Monitor ([Read Control module setting information] is workable): Perform the operation procedure A.
- When the combination meter before replacement cannot communicate with Subaru Select Monitor ([Read Control module setting information] is not workable): Perform the operation procedure B.

Caution:
When incorrect information is written by [Reading and Writing of the ECU Configuration Information and Odometer Value], [Write ECU setting save data] and [Write ECU setting 12 columns of models], a new combination meter cannot be used because correct information is not displayed. Obtain another new combination meter and write information again.

Item		Contents
[Read Control module setting information]		Read the setting information from the combination meter before replacement, and save it to the Subaru Select Monitor. *1
[Write Control module setting information]	[Write ECU setting save data]	Write the setting information saved by [Read Control module setting information] to the new combination meter. *2
	[Write ECU setting 12 columns of models]	Using applied models and option codes, write the setting information to the new combination meter. *2
[Reading and Writing of the ECU Configuration Information and Odometer Value]		Read the setting information and odometer value from the combination meter before replacement, and write them to the new combination meter.

*1: Odometer value reading and storing are not possible

*2: Odometer value writing is not possible

OPERATION PROCEDURE A

Caution:
- **Carry-over of the odometer value is possible only once. If failed, odometer carry-over cannot be performed anymore.**
- **When odometer value reading is performed, the odometer displays "------" and continued use of the combination meter assembly is impossible.**
- **When the power supply of the Subaru Select Monitor is turned OFF during work, the odometer value data is cleared and carry-over becomes impossible. Be careful of the state of power supply connection of Subaru Select Monitor.**

1. Read and store the setting information and odometer value.

(1) Connect the Subaru Select Monitor and then turn the ignition switch to ON.
(2) Select [Reading and Writing of the ECU Configuration Information and Odometer Value] on [Work Support] of Subaru Select Monitor. Ref. to COMMON (DIAGNOSTICS)>Work Support>OPERATION.
(3) Save under a new name according to the display screen.
(4) When [Do you read the Odometer Value? Odometer of the Meter is locked] is displayed, select the [YES] button.
(5) Confirm that [Read the Odometer Value] is displayed, and then turn the ignition switch to OFF.

2. Replace the combination meter assembly with a new part. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter.

Caution:
Do not perform the following. Otherwise, saved odometer values will be cleared.
- **Turn the power supply of Subaru Select Monitor to OFF.**
- **Communication between Subaru Select Monitor and interface for Subaru Select Monitor is lost. (USB cable is disconnected)**

Note:
The data link connector can be removed. If it is interfering with the work, move it outside the vehicle.

3. Write the setting information and odometer value.

Note:
When the odometer value writing operation is completed correctly, the odometer value is automatically cleared from the Subaru Select Monitor.

(1) [Did you replace the Meter?] is displayed. Select the [YES] button.
(2) When [Do you write Odometer Value?] is displayed, select the [YES] button.
(3) When [Completed the writing of Odometer Value. Write the ECU Configuration Information] is displayed, select the [OK] button.
(4) Select the file saved with [Reading and Writing of the ECU Configuration Information and Odometer Value], and click the [Execution] button.
(5) When [Write?] is displayed, select the [YES] button.
(6) Confirm that [Write operation was completed.] is displayed, and click the [OK] button.

4. Check if the combination meter assembly operates normally.

OPERATION PROCEDURE B

Note:
With [Write ECU setting 12 columns of models], carry-over of odometer value cannot be performed.

1. Replace the combination meter assembly with a new part. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter.

2. Write the vehicle data.
(1) Connect the Subaru Select Monitor and then turn the ignition switch to ON.
(2) Select [Write Control module setting information] on [Work Support] of Subaru Select Monitor. Ref. to COMMON (DIAGNOSTICS)>Work Support.
(3) From the item list, select [Write ECU setting 12 columns of models]. Enter the applied model (7 digits) and click the [OK] button. Ref. to IDENTIFICATION > IDENTIFICATION NUMBER &

LABEL LOCATIONS.

(4) Enter the option code (4 digits) and click the [OK] button. Ref. to IDENTIFICATION > IDENTIFICATION NUMBER & LABEL LOCATIONS.

(5) Confirm the vehicle information on [Write ECU setting 12 columns of models] screen, and click the [OK] button.

(6) When [Write?] is displayed, select the [YES] button.

(7) Confirm that [Write operation is complete.] is displayed, and click the [OK] button.

3. Check if the combination meter assembly operates normally.

INSTRUMENTATION/DRIVER INFO > Combination Meter

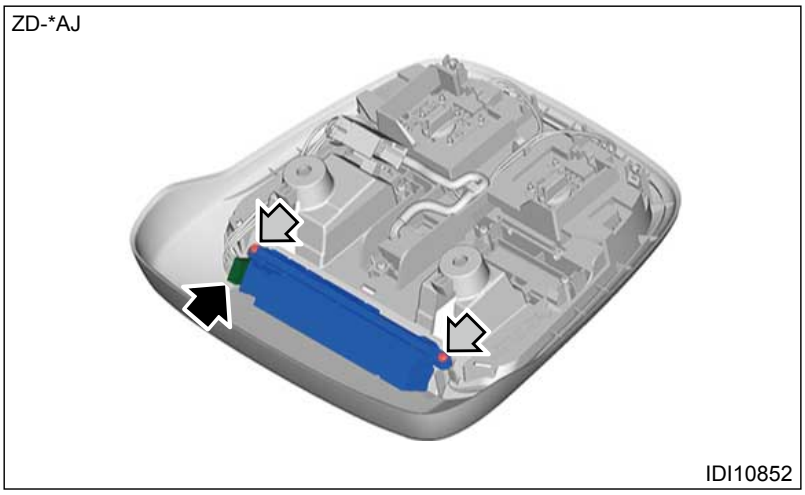
INSPECTION

1. Using the Subaru Select Monitor, perform [Buzzer Check] on [Active Test] of [Combination Meter]. Ref. to COMBINATION METER (DIAGNOSTICS)>Active Test.
2. If no buzzer sounds, replace the combination meter assembly.

REMOVAL

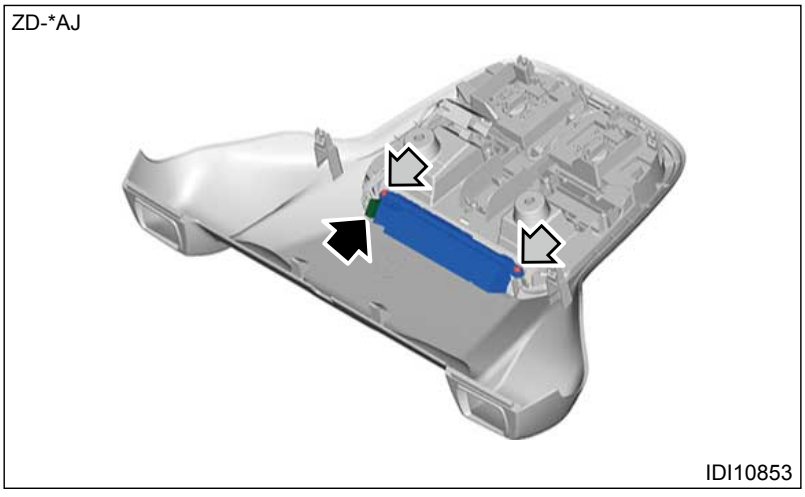
1. MODELS WITHOUT EyeSight

1. Disconnect the ground terminal from battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
2. Remove the light assembly map. Ref. to LIGHTING SYSTEM>Spot Map Light>REMOVAL.
3. Remove connector and screw, and remove the warning box.



2. MODELS WITH EyeSight

1. Disconnect the ground terminal from battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
2. Remove the cover assembly stereo camera. Ref. to EyeSight>Stereo Camera>REMOVAL.
3. Remove connector and screw, and remove the warning box.



INSTALLATION

1. MODELS WITHOUT EyeSight

Caution:
Make sure that each indicator operates normally.

1. Install the warning box and connect the connector.
2. Install the light assembly map. Ref. to LIGHTING SYSTEM>Spot Map Light>INSTALLATION.
3. Connect the ground terminal to battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.

2. MODELS WITH EyeSight

Caution:
Make sure that each indicator operates normally.

1. Install the warning box and connect the connector.
2. Install the cover assembly stereo camera. Ref. to EyeSight>Stereo Camera>INSTALLATION.
3. Connect the ground terminal to battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.

REMOVAL

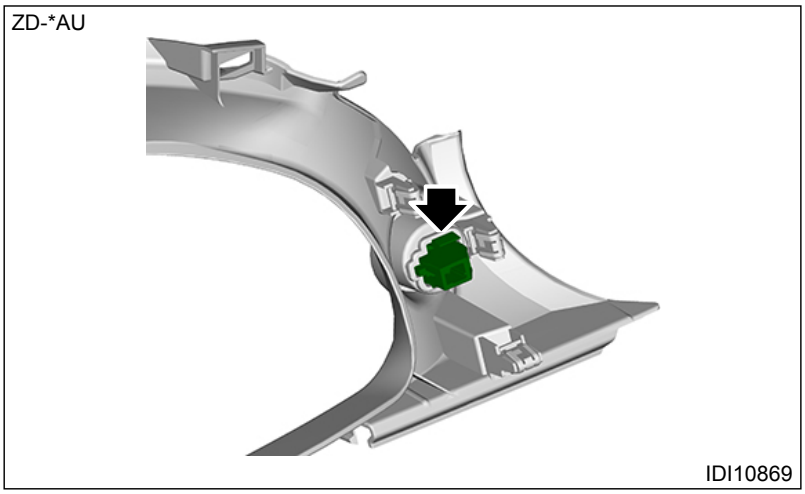
1. SATELLITE SWITCH

For the removal procedure of the satellite switch assembly, refer to "Steering Switch" of the "POWER ASSISTED SYSTEM (POWER STEERING)" section. Ref. to POWER ASSISTED SYSTEM (POWER STEERING)>Steering Switch>REMOVAL > SATELLITE SWITCH ASSEMBLY.

2. TRIP RESET SWITCH

Caution:
Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

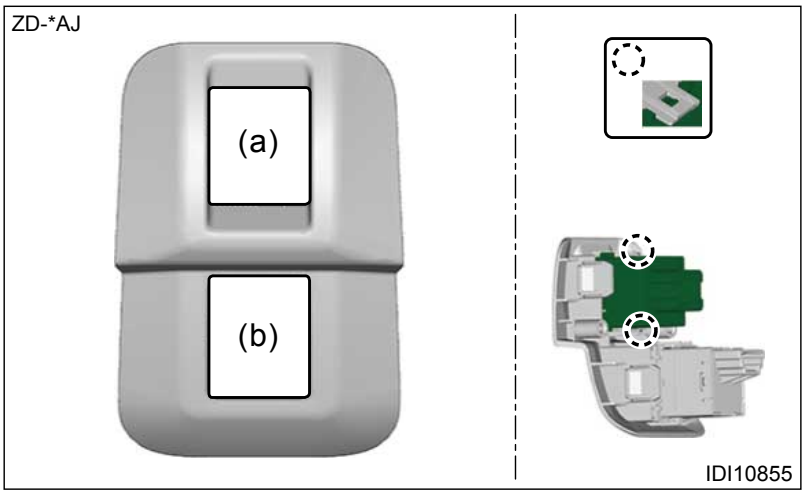
1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
2. Release the lock, tilt the steering column to the lowest end and fully extend the column by the telescopic system.
3. Remove the cover LWR driver INN and cover LWR driver OUT. Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL.
4. Remove the cover assembly instrument panel side RH and the panel center UPR assembly. Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > CENTER GRILLE.
5. Remove the grille ventilation side LH. Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > SIDE GRILLE.
6. Remove the visor assembly LWR. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter>REMOVAL.
7. Release the claws, and remove the switch assembly meter.



3. ILLUMINATION CONTROL SWITCH

Caution:
Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work. Ref. to REPAIR CONTENTS>NOTE > BATTERY.
2. Remove the cover LWR driver OUT. Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL > OUTSIDE.
3. Release the claws and remove the illumination control switch (a).



INSTRUMENTATION/DRIVER INFO > Switches and Harness

INSTALLATION

1. SATELLITE SWITCH

For the installation procedure of the satellite switch assembly, refer to "Steering Switch" of the "POWER ASSISTED SYSTEM (POWER STEERING)" section. Ref. to POWER ASSISTED SYSTEM (POWER STEERING)>Steering Switch>INSTALLATION > SATELLITE SWITCH ASSEMBLY.

2. TRIP RESET SWITCH

Caution:
Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

1. Install the switch assembly meter.
2. Install the visor assembly LWR. Ref. to INSTRUMENTATION/DRIVER INFO>Combination Meter>INSTALLATION.
3. Install the grille ventilation side LH. Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > SIDE GRILLE.
4. Install the panel center UPR assembly and cover assembly instrument panel side RH. Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > CENTER GRILLE.
5. Install the cover LWR driver OUT and cover LWR driver INN. Ref. to EXTERIOR/INTERIOR

TRIM>Instrument Panel Lower Cover>INSTALLATION.

6. Connect the ground terminal to battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.

3. ILLUMINATION CONTROL SWITCH

Caution:
Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". Ref. to AIRBAG SYSTEM>General Description>CAUTION.

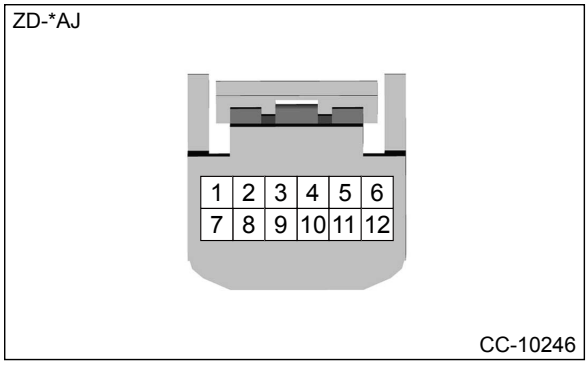
1. Install the illumination control switch.
2. Install the cover LWR driver OUT. Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION > OUTSIDE.
3. Connect the ground terminal to battery sensor. Ref. to REPAIR CONTENTS>NOTE > BATTERY.

INSTRUMENTATION/DRIVER INFO > Switches and Harness

INSPECTION

1. MULTI INFORMATION DISPLAY SWITCH

1. Measure the resistance between connector terminals.



- Models without EyeSight

Terminal No.	Inspection conditions		Standard
2 — 4	LEFT UP DOWN RIGHT	All OFF	Approx. 100 kΩ
	LEFT	ON	Less than 1 Ω
	UP	ON	Approx. 330 Ω
	DOWN	ON	Approx. 1,000 Ω
	RIGHT	ON	Approx. 3,110 Ω
3 — 4	ENTER BACK	All OFF	Approx. 100 kΩ
	ENTER	ON	Less than 1 Ω
	BACK	ON	Approx. 1,000 Ω

- Models with EyeSight

Terminal No.	Inspection conditions		Standard
2 — 7	LEFT UP DOWN RIGHT	All OFF	Approx. 100 kΩ
	LEFT	ON	Less than 1 Ω
	UP	ON	Approx. 330 Ω
	DOWN	ON	Approx. 1,000 Ω
	RIGHT	ON	Approx. 3,110 Ω
3 — 7	ENTER BACK	All OFF	Approx. 100 kΩ
	ENTER	ON	Less than 1 Ω
	BACK	ON	Approx. 1,000 Ω

2. Apply battery voltage between the connector terminals to check lighting condition of illumination inside the switch.

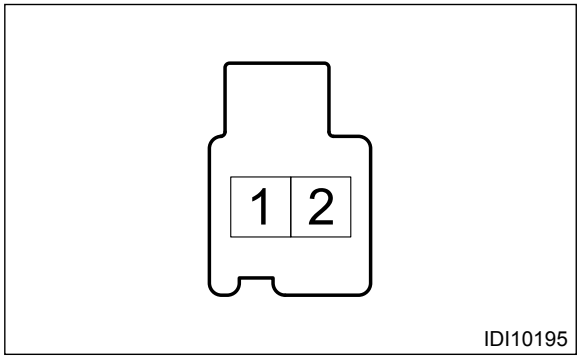
Caution:
When applying battery voltage, do not mix up the positive (+) side and the negative (−) side.
Incorrect polarity connection may cause LED damage inside the switch.

Terminal No.	Inspection conditions	Specification
8 (+) — 9 (−)	Apply battery voltage.	Light ON

3. If it is found to be defective as a result of the inspection, replace the satellite switch assembly.

2. TRIP RESET SWITCH

1. Measure the resistance between connector terminals.

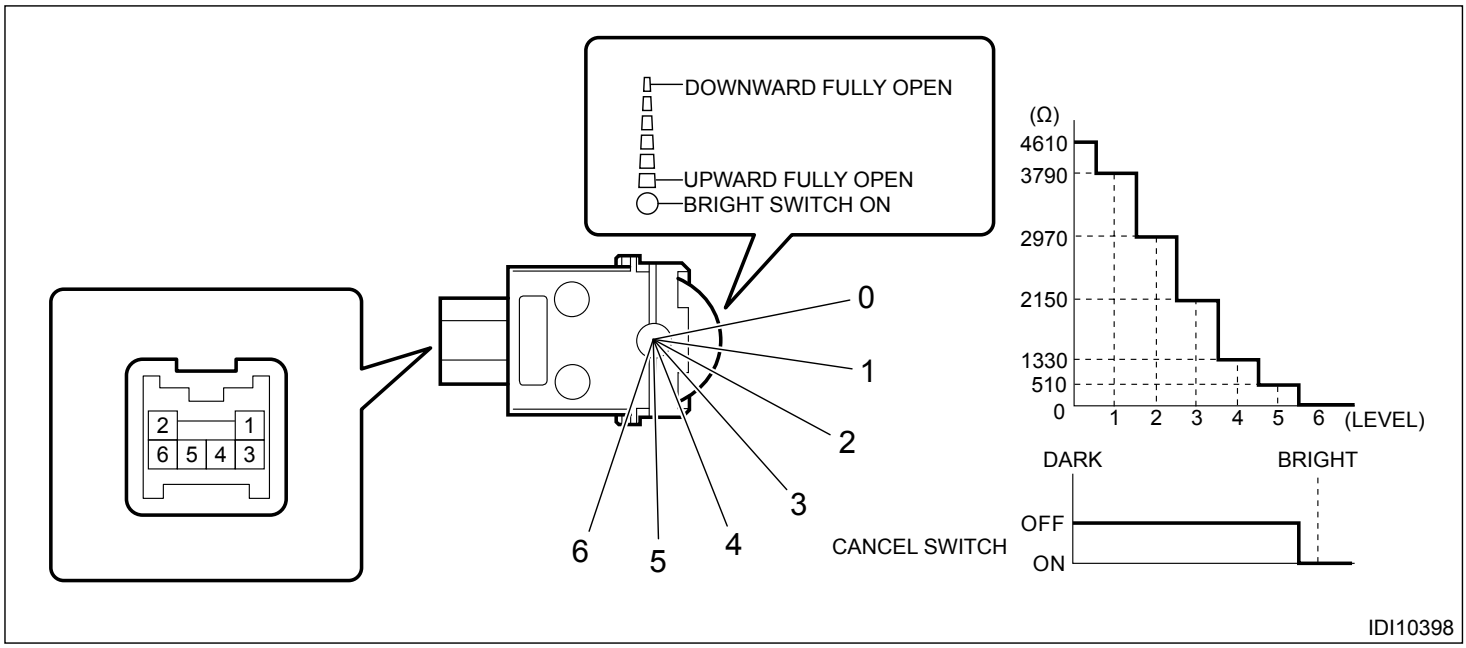


Terminal No.	Inspection conditions	Standard
1 — 2	Switch OFF	1 MΩ or more
	Switch ON	Less than 1 Ω

2. Replace the switch assembly meter if it is found defective.

3. ILLUMINATION CONTROL SWITCH

1. Measure the resistance between connector terminals.



Terminal No.	Inspection conditions	Standard
1 — 6	Bright switch OFF	1 MΩ or more
	Bright switch ON	Less than 1 Ω
4 — 6	Always	Approx. 4,710 Ω
5 — 6	Illumination control switch upward fully open	Approx. 510 Ω
	Illumination control switch downward fully open	Approx. 4,610 Ω

2. Apply battery voltage between the connector terminals to check lighting condition of illumination inside the switch.

Caution:

When applying battery voltage, do not mix up the positive (+) side and the negative (−) side.

Incorrect polarity connection may cause LED damage inside the switch.

Terminal No.	Inspection conditions	Specification
2 (+) — 3 (−)	Apply battery voltage.	Light ON

3. Replace the illumination control switch if it is found defective.